Curriculum Vitae

Tamara Schamberger

(born July 1st 1993, German citizen)

University of Würzburg, Faculty of Business Management & Economics
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University of Twente, Faculty of Engineering Technology
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EMPLOYMENT

- Postdoctoral Researcher at the Chair of Econometrics (Prof. Dr. Martin Kukuk), University of Würzburg, Faculty of Business Management & Economics, 2022 - 2023
- Research/Teaching Assistant at the Chair of Econometrics (Prof. Dr. Martin Kukuk), University of Würzburg, Faculty of Business Management & Economics, 2017 - 2022
- Lecturer in Introductory Statistics, Cooperative State University Bad Mergentheim, 2020, 2021
- Lecturing Tutor and Student Research Assistant at the Chair of Econometrics (Prof. Dr. Martin Kukuk), University of Wuerzburg, 2015 - 2017
- Lecturing Tutor at the Chair of Contract Theory and Information Economics (Prof. Dr. Daniel Müller), University of Wuerzburg, summer term 2014, 2015 and 2016
- Intern at the ZF Friedrichshafen AG in Schweinfurt, 07/2014 - 10/2014

EDUCATION

- PhD in Econometrics, University of Würzburg (Germany)/ University of Twente (The Netherlands), 2022, Title: Methodological Advances in Composite-based Structural Equation Modeling, awarded with Summa cum laude by the University of Würzburg and with distinction, i.e, cum laude by the University of Twente
- M.Sc. in Economathematics (Grade 1.2), University of Würzburg, 2015 - 2017, Major subjects: Econometrics, Research Methods, Stochastics and Statistics, Financial and Insurance Mathematics
- B.Sc. in Economathematics (Grade 1.9), University of Würzburg, 2012 - 2015

RESEARCH VISITS

- University of Twente, The Netherlands, Prof. Dr. ir. Jörg Henseler, 03/2019
- University of Twente, The Netherlands, Prof. Dr. ir. Jörg Henseler, 09/2018 - 10/2018

RESARCH INTERESTS

Composite based structural equation modeling, Emergent variables, Maximum likelihood estimation, Partial least squares path modeling

PUBLICATIONS

- Schuberth, F., Hubona, G., Roemer, E., Zaza, S., Schamberger, T., Chuah, F., Cepeda-Carrión, G., Henseler, J. (2023). The choice of structural equation modeling technique matters: A commentary on Dash and Paul (2021). Technological Forecasting and Social Change, 194, 122665
- Schamberger, T. (2023). Conducting Monte Carlo Simulations for PLS-PM and other variance-based estimators for structural equation modeling. Industrial Management & Data Systems, 123(6), 1789-1813, https://doi.org/10.1108/IMDS-07-2022-0418
- Schuberth, F., Schamberger, T., Rönkkö, M., Liu, Y., Henseler, J. (2023). Premature Conclusions about the Signal-to-Noise Ratio in Structural Equation Modeling Research: A Commentary on Yuan and Fang (2023). British Journal of Mathematical and Statistical Psychology, http://doi.org/10.1111/bmsp.12304
- Schamberger, T., Cantaluppi G., Schuberth F. (accepted): Revisiting and Extending PLS for Ordinal Measurement and Prediction, In H. Latan, J. F. Hair, & R. Noonan (Eds.), Partial least squares path modeling: Basic concepts, methodological issues, and applications (2nd ed.). Cham, Switzerland: Springer.
- Schamberger, T., Schuberth, F., Henseler, J. (2023): Confirmatory Composite Analysis in Human Development Research, International Journal of Behavioral Development 47(1), 89–100. https://doi.org/10.1177/01650254221117506
- Schamberger, T. (2022): Methodological Advances in Composite-based Structural Equation Modeling, University of Würzburg & University of Twente, https://doi.org/10.3990/1.9789036553759
- Schamberger, T., Schuberth, F., Henseler, J., Dijkstra, T. K. (2020): Robust partial least squares path modeling, Behaviormetrika 47, 307–334, https://doi.org/10.1007/s41237-019-00088-2

WORKING PAPERS

- Schamberger, T., Schuberth, F., Henseler J.: A maximum likelihood estimator for composite models

CONFERENCE PRESENTATIONS

Schamberger, Tamara; Schuberth Florian; Henseler Jörg. A Maximum Likelihood Estimator for Composite models. Meeting of the Working Group on Structural Equation Modeling, Vienna (online) 18.03. - 19.03.2021

CONFERENCE & SEMINAR ATTENDANCES

- Meeting of the Working Group Structural Equation Modeling, Bielefeld, Germany, 14.03. - 17.03.2023.
- Seminar: "Machine Learning", Bavarian Graduate Program in Economics, online, given by Michal Adrle, 26.07. - 30.07.2021.
- Meeting of the Working Group Structural Equation Modeling, Vienna, Austria (online), 18.03. - 19.03.2021.
- Seminar: "Advanced Econometrics", Bavarian Graduate Program in Economics, Muggendorf, Germany, given by Prof. Jeffrey Wooldridge, 05.08. - 10.08.2018.
- Meeting of the Working Group Structural Equation Modeling, Amsterdam, The Netherlands, 15.03. - 16.03.2018.
- 13. Tagung der Fachgruppe Methoden & Evaluation der Deutschen Gesellschaft für Psychologie, Tübingen, Germany, 17.09. - 20.09.2017.
- Seminar: "PLS path modeling using ADANCO", University of Würzburg, Würzburg, Germany, given by Prof. Jörg Henseler, 12.09. - 13.09.2017.
- Meeting of the Working Group Structural Equation Modeling, Ghent, Belgium, 16.03. - 17.03.2017.

TEACHING EXPERIENCE

Certified lecturer (by ProfiLehre Würzburg: basic level)

- Applied Econometrics (Lecture): Distributions, Hypothesis testing, Regression analysis
- Introductory Statistics (Lecture): Descriptive statistics, Distribution function, Probability theory
- Analysis of Financial Market Data (Lecture and Exercise): Random Walk hypothesis, Event studies, Time series analysis
- Econometrics I (Exercise): Multiple linear regression analysis, Joint tests
- Econometrics II (Exercise): Multicollinearity, Heteroscedasticity, Autocorrelation
- Micoreconometrics (Exercise): Maximum Likelihood Estimation, Probit model, Logit model, Tobit model
- Microeconomics I (Exercise)

SOFTWARE DEVELOPMENT Rademaker, Manuel and Schamberger, Tamara (2020). cSEM.DGP: Generate Data for Structural Equation Models. R package version 0.0.0.9000. https://github.com/M-E-Rademaker/cSEM.DGP

REFEREE ACTIVITY Social Indicators Research, Computational Statistics

SOFTWARE Advanced: R, MS Excel, Latex
Basic: Git, MS Word, Mathematica, Gretl, EViews, Java

LANGUAGES German (mother tongue), English (fluently spoken and written), French (basic knowledge), Spanish (basic knowledge), Dutch (basic knowledge)

REFERENCES

Professor Dr. Martin Kukuk
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Faculty of Business Administration & Economics
University of Würzburg
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Professor Dr. ir. Jörg Henseler
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Würzburg, June 19, 2023